

## SEQUENCE LISTING

<110> VLAAMS INTERUNIVERSITAIR INSTITUUT VOOR BIOTECHNOL

---

<120> Nucleic Acid Binding of Multi-Zinc Finger Transcription Factors

<130> 2676-5174US

<140> US/10/028,396

<141> 2001-12-21

<150> 99202068.5

<151> 1999-06-25

<150> PCT/EP00/05582

<151> 2000-06-09

<160> 49

<170> PatentIn version 3.1

<210> 1

<211> 5

<212> DNA

<213> Artificial

<220>

<221> misc\_feature

<223> Description of Artificial Sequence: Portion of bait for screening

<400> 1

cacct

5

<210> 2

<211> 6

<212> DNA

<213> Artificial

<220>

<221> misc\_feature

<223> Description of Artificial Sequence: portion of bait for screening

---

<400> 2

cacctg

6

<210> 3  
<211> 5  
<212> DNA  
<213> Artificial

---

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: portion of bait for screening

<400> 3  
aggtg 5

<210> 4  
<211> 7  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: consensus element for binding  
of MyT1, NZF-1 and NZF-3

<400> 4  
aaagttt 7

<210> 5  
<211> 52  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: complex consensus sequence

<220>  
<221> misc\_feature  
<222> (16)..(43)  
<223> nucleotides 16-43 represent a spacer sequence wherein any one, more,  
or all of nucleotides 16-43 may be present or absent

---

<400> 5  
gacaagataa gataannnnnn nnnnnnnnnnn nnnnnnnnnnn nnctcatct tc 52

---

<210> 6

<211> 30

<212> DNA

<213> Artificial

---

<220>

<221> misc\_feature

<223> Description of Artificial Sequence: primer SIP1 NZF3Mut

<400> 6

ccacctgaaa gaatccctga gaattcacag

30

<210> 7

<211> 30

<212> DNA

<213> Artificial

<220>

<221> misc\_feature

<223> Description of Artificial Sequence: primer SIP1 CZF2Mut

<400> 7

gggtcctaca gttcatctat cagcagcaag

30

<210> 8

<211> 30

<212> DNA

<213> Artificial

<220>

<221> misc\_feature

<223> Description of Artificial Sequence: primer SIP1 NZF4Mut

<400> 8

caccacctta tcgagtcctc gaggctgcac

30

<210> 9

<211> 30

<212> DNA

<213> Artificial

---

<220>

<221> misc\_feature

<223> Description of Artificial Sequence: primer SIP1 CZF3Mut

<400> 9  
tcctactcgc agtccatgaa tcacaggtac

30

---

<210> 10  
<211> 50  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-WT

<400> 10  
atccaggcca cctaaaatat agaatgataa agtgaccagg tgtcagttct 50

<210> 11  
<211> 50  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-D

<400> 11  
atccaggcca cctaaaatat agaatgataa agtgaccaga tgtcagttct 50

<210> 12  
<211> 23  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-E

<400> 12  
taaagtgacc aggtgtcagt tct 23

---

<210> 13  
<211> 27  
<212> DNA  
<213> Artificial

---

<220>

<221> misc\_feature

<223> Description of Artificial Sequence: probe Xbra-F

---

<400> 13

atccaggcca cctaaaatat agaatga

27

<210> 14

<211> 50

<212> DNA

<213> Artificial

<220>

<221> misc\_feature

<223> Description of Artificial Sequence: probe Rdm + Xbra-E

<400> 14

caatttagag tactgtgtac ttgggagtaa agtgaccagg tgcagttct

50

<210> 15

<211> 53

<212> DNA

<213> Artificial

<220>

<221> misc\_feature

<223> Description of Artificial Sequence: probe Xbra-F + AREB6

<400> 15

atccaggcca cctaaaatat agaatgaggc tcagacaggt gtagaattcg gcg

53

<210> 16

<211> 53

<212> DNA

<213> Artificial

<220>

<221> misc\_feature

<223> Description of Artificial Sequence: probe Rdm + AREB6

---

<400> 16

caatttagag tactgtgtac ttgggagggc tcagacaggt gtagaattcg gcg

53

---

<210> 17  
<211> 50  
<212> DNA  
<213> Artificial

---

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-J

<400> 17  
gcacaggcca cctaaaatat agaatgataa agtgaccagg tgtcagttct 50

<210> 18  
<211> 50  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-K

<400> 18  
atcactgcc a cctaaaatat agaatgataa agtgaccagg tgtcagttct 50

<210> 19  
<211> 50  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-L

<400> 19  
atccagtaaa cctaaaatat agaatgataa agtgaccagg tgtcagttct 50

<210> 20  
<211> 50  
<212> DNA  
<213> Artificial

---

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-M

---

<400> 20  
atccaggccc aataaaatat agaatgataa agtgaccagg tgtcagttct 50

---

<210> 21  
<211> 50  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-N

<400> 21  
atccaggcca ccgccaatat agaatgataa agtgaccagg tgtcagttct 50

<210> 22  
<211> 50  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-O

<400> 22  
atccaggcca cctaaccgat agaatgataa agtgaccagg tgtcagttct 50

<210> 23  
<211> 50  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-P

<400> 23  
atccaggcca cctaaatcg cgaatgataa agtgaccagg tgtcagttct 50

---

<210> 24  
<211> 50  
<212> DNA  
<213> Artificial

---

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-Q

---

<400> 24  
atccaggcca cctaaaatat atcctgataa agtgaccagg tgtcagttct 50

<210> 25  
<211> 50  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-R

<400> 25  
atccaggcca cctaaaatat agaagtctaa agtgaccagg tgtcagttct 50

<210> 26  
<211> 50  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-S

<400> 26  
atccaggcca tctaaaatat agaatgataa agtgaccagg tgtcagttct 50

<210> 27  
<211> 50  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-Z

---

<400> 27  
atccaggcca cctaaaatat agaatgataa agtgactagg tgtcagttct 50

---



<210> 28  
<211> 47  
<212> DNA  
<213> Artificial

---

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-B

<400> 28  
atccaggcca cctatataga atgataaagt gaccaggtgt cagttct 47

<210> 29  
<211> 47  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-C

<400> 29  
atccaggcca cctaaaatat agaatgatgt gaccaggtgt cagttct 47

<210> 30  
<211> 40  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-U

<400> 30  
atccaggcca cctaaaatat agtgaccagg tgtcagttct 40

<210> 31  
<211> 46  
<212> DNA  
<213> Artificial

---

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-EE

---

<400> 31  
taaagtgacc aggtgtcagt tcttaaagt accaggtgtc agttct 46

---

<210> 32  
<211> 46  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-ErE

<400> 32  
agaactgaca cctggtcact ttataaagt accaggtgtc agttct 46

<210> 33  
<211> 50  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-FrF

<400> 33  
atccaggcca cctaaaatat agaattattct atattttagg tggcctggat 50

<210> 34  
<211> 50  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-V

<400> 34  
atccaggcag gtgtaaatat agaatgataa agtgaccac ctacagttct 50

---

<210> 35  
<211> 50  
<212> DNA  
<213> Artificial

---

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Xbra-W

---

<400> 35  
atccaggcag gtgtaaataat agaataataa agtgaccagg tgcagttct 50

<210> 36  
<211> 60  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe alfa-4I-WT (alfa-4-integrin)

<400> 36  
gcagggcaca cctggattgc attagaatga gactcactac ccagttcagg tgtgttcgt 60

<210> 37  
<211> 60  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe alfa-4I-A (alfa-4-integrin)

<400> 37  
gcagggcaca cctggattgc attagaatga gactcactac ccagttcaga tgtgttcgt 60

<210> 38  
<211> 60  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe alfa-4I-B (alfa-4-integrin)

---

<400> 38  
gcagggcaca tctggattgc attagaatga gactcactac ccagttcagg tgtgttcgt 60

---

<210> 39  
<211> 70

<212> DNA  
<213> Artificial

---

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Ecad-WT

<400> 39  
tggccggcag gtgaaccctc agccaatcag cggtagggg ggcggtgctc cggggctcac 60  
  
ctggctgcag 70

<210> 40  
<211> 70  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Ecad-A

<400> 40  
tggccggcag gtgaaccctc agccaatcag cggtagggg ggcggtgctc cggggctcat 60  
  
ctggctgcag 70

<210> 41  
<211> 70  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: probe Ecad-B

<400> 41  
tggccggcag atgaaccctc agccaatcag cggtagggg ggcggtgctc cggggctcac 60  
  
ctggctgcag 70

---

<210> 42  
<211> 21  
<212> DNA  
<213> Artificial

---

<220>

<221> misc\_feature

<223> Description of Artificial Sequence: PCR-primer for E-cadherin promoter  
sequence (-341/+41)

---

<400> 42

acaaaagaac tcagccaagt g

21

<210> 43

<211> 18

<212> DNA

<213> Artificial

<220>

<221> misc\_feature

<223> Description of Artificial Sequence: PCR-primer for E-cadherin promoter  
sequence (-341/+41)

<400> 43

ccgcaagctc acaggtgc

18

<210> 44

<211> 26

<212> DNA

<213> Artificial

<220>

<221> misc\_feature

<223> Description of Artificial Sequence: forward primer E-box 1

<400> 44

gctgtggccg gcagatgaac cctcag

26

<210> 45

<211> 26

<212> DNA

<213> Artificial

<220>

<221> misc\_feature

<223> Description of Artificial Sequence: reverse primer E-box 1

---

<400> 45

ctgagggttc atctgccggc cacagc

26

<210> 46  
<211> 24  
<212> DNA  
<213> Artificial

---

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: forward primer E-box3

<400> 46  
gctccgggct catctggctg cagc 24

<210> 47  
<211> 25  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: reverse primer E-box3

<400> 47  
gctgcagcca gatgagcccc ggagc 25

<210> 48  
<211> 27  
<212> DNA  
<213> Artificial

<220>  
<221> misc\_feature  
<223> Description of Artificial Sequence: degenerated primer

<220>  
<221> misc\_feature  
<222> (25)  
<223> n is a spacer and may be any nucleotide

---

<400> 48  
cttcagcag ccctacgayc argcnca 27

---

---

<210> 49

<211> 28

<212> DNA

<213> Artificial

---

<220>

<221> misc\_feature

<223> Description of Artificial Sequence: degenerated primer

<220>

<221> misc\_feature

<222> (26)

<223> n is a spacer and may be any nucleotide

<400> 49

gggtgtggga ccgatrtgc atyttat

28

---

---